

Title (en)
APPARATUSES FOR OPTICAL AND MASS SPECTROMETRY DETECTION

Title (de)
VORRICHTUNGEN ZUR OPTISCHEN UND MASSENSPEKTROMETRISCHEN DETEKTION

Title (fr)
APPAREILS DE DÉTECTION OPTIQUE ET DE SPECTROMÉTRIE DE MASSE

Publication
EP 3794341 A1 20210324 (EN)

Application
EP 19802711 A 20190516

Priority
• US 201862672955 P 20180517
• US 2019032712 W 20190516

Abstract (en)
[origin: WO2019222531A1] Presented herein are apparatuses for use in capillary separations. An apparatus includes a coupling that integrates a capillary with a voltage source, a sheath liquid system, a fluid exit port, and a manifold. The coupling may be an elbow connector or equivalent. The manifold receives incident light from an incident light input, and emitted light is collected by a collected light output. The capillary enters the manifold at an input for the capillary, traverses the coupling, and terminates at the fluid exit port, for example an electro spray emitter. The capillary may also enter the manifold at an input for the capillary and terminates inside the manifold.

IPC 8 full level
G01N 27/447 (2006.01); **G01N 21/01** (2006.01); **G01N 21/62** (2006.01); **G01N 27/26** (2006.01); **G01N 27/416** (2006.01)

CPC (source: EP US)
G01N 15/1434 (2013.01 - EP); **G01N 15/1459** (2013.01 - EP); **G01N 21/6402** (2013.01 - EP); **G01N 27/44721** (2013.01 - EP US); **H01J 49/022** (2013.01 - US); **H01J 49/025** (2013.01 - US); **H01J 49/067** (2013.01 - US); **H01J 49/167** (2013.01 - US); **G01N 21/33** (2013.01 - EP); **G01N 21/53** (2013.01 - EP); **G01N 21/65** (2013.01 - EP); **G01N 2021/6482** (2013.01 - EP); **G01N 2021/6484** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2019222531 A1 20191121; EP 3794341 A1 20210324; EP 3794341 A4 20220413; US 11222779 B2 20220111; US 11676807 B2 20230613; US 2021104392 A1 20210408; US 2022102132 A1 20220331

DOCDB simple family (application)
US 2019032712 W 20190516; EP 19802711 A 20190516; US 201917053291 A 20190516; US 202117545804 A 20211208